

FIG. 2

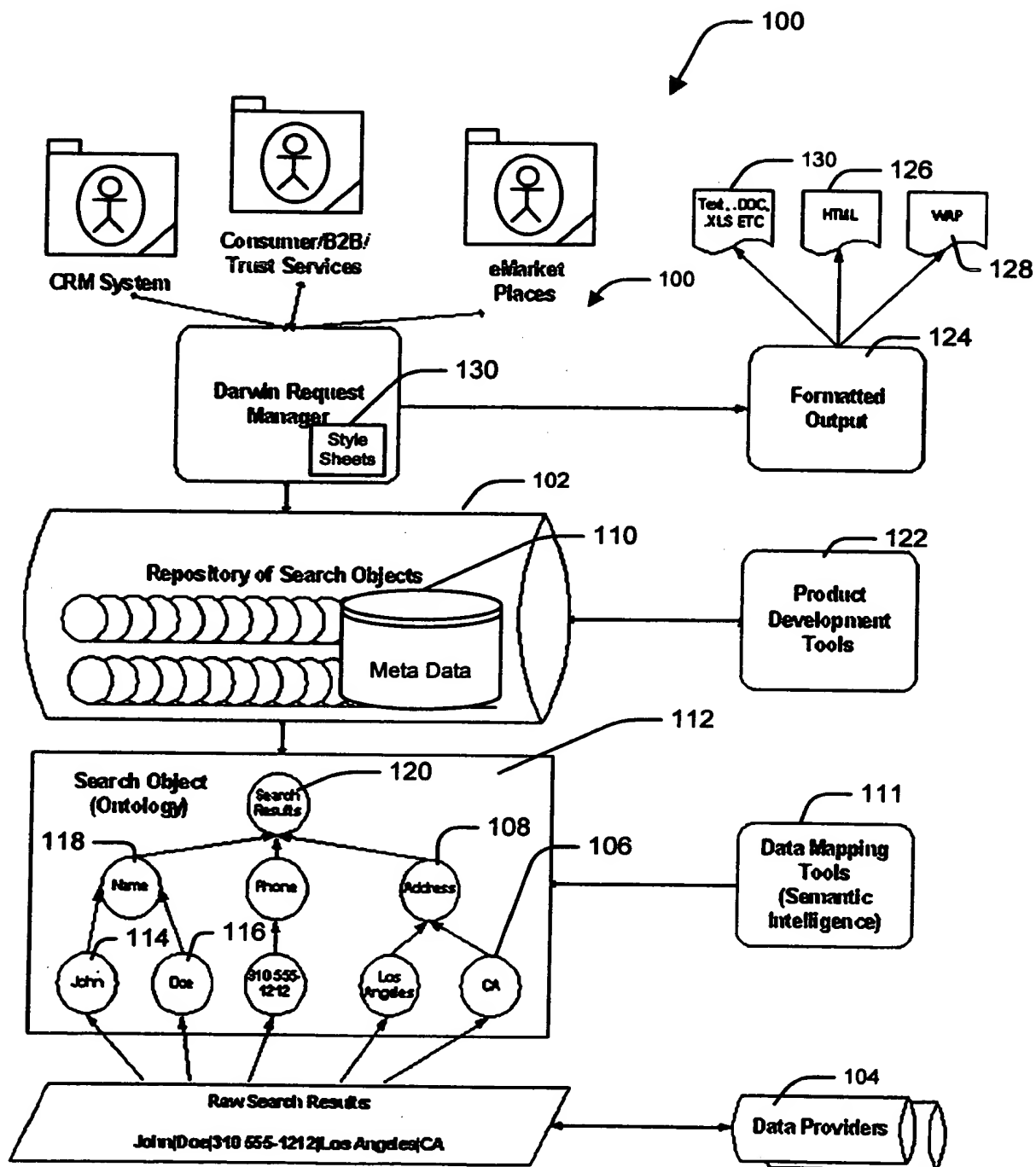


FIG. 3

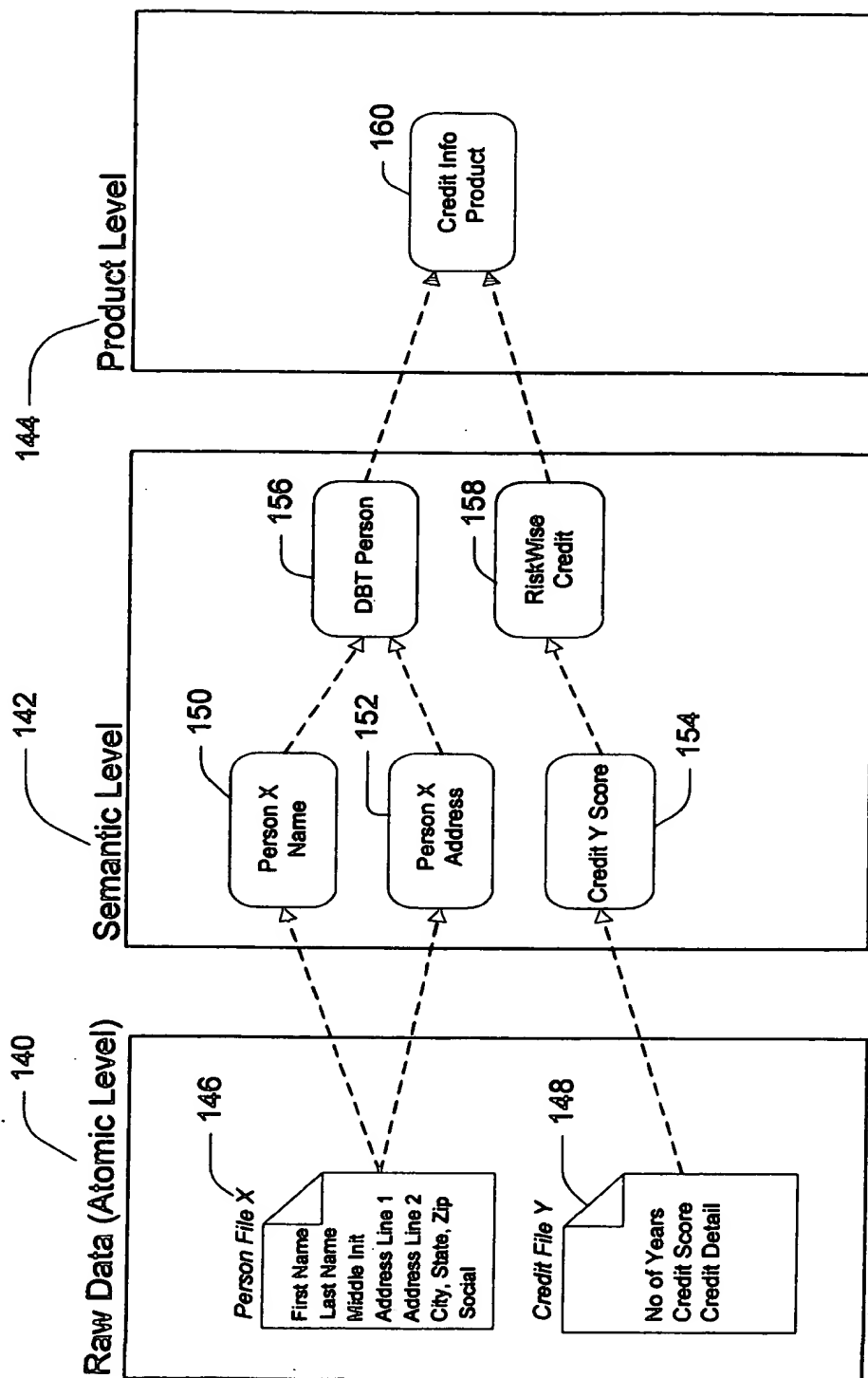


FIG. 4

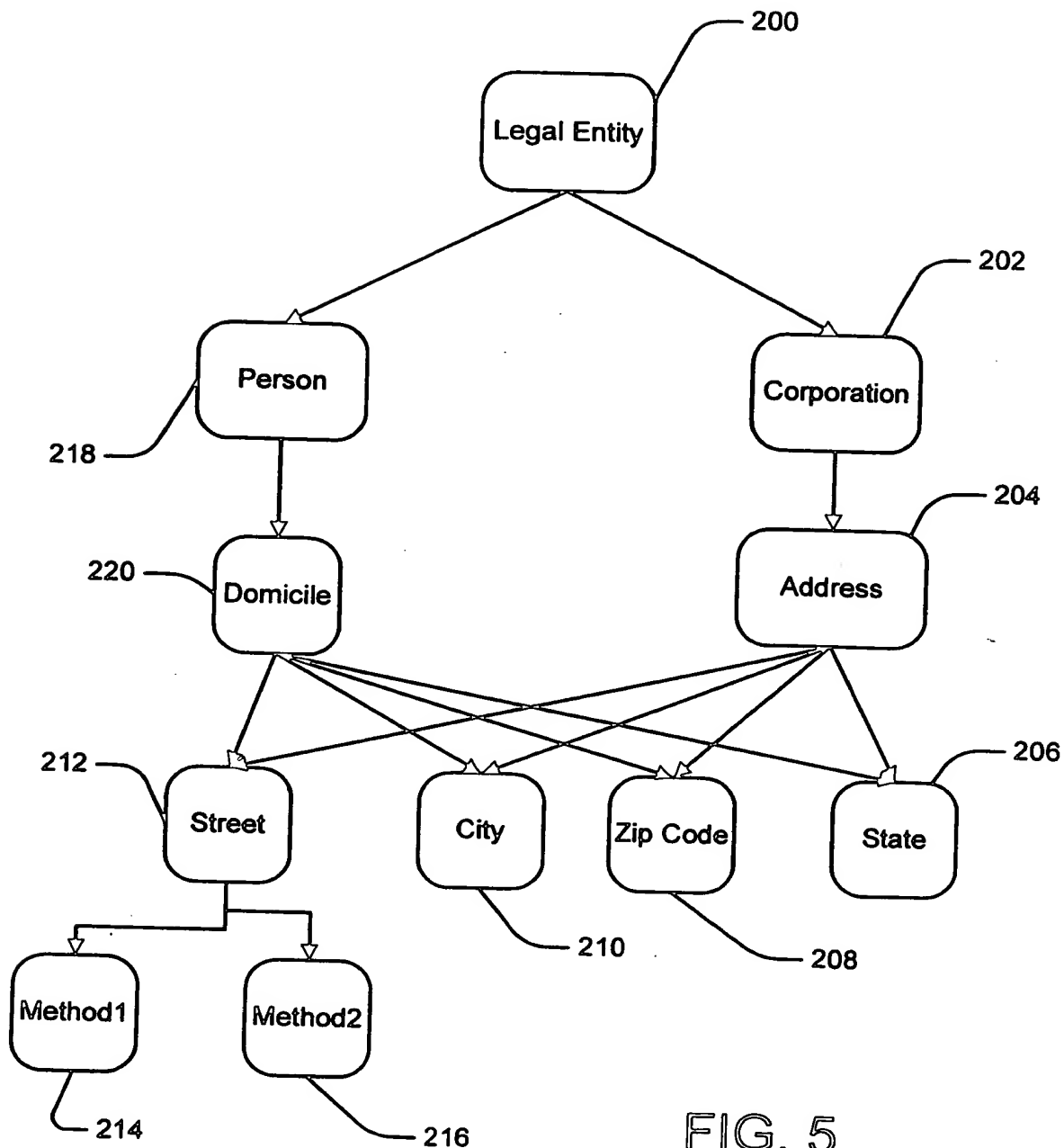


FIG. 5

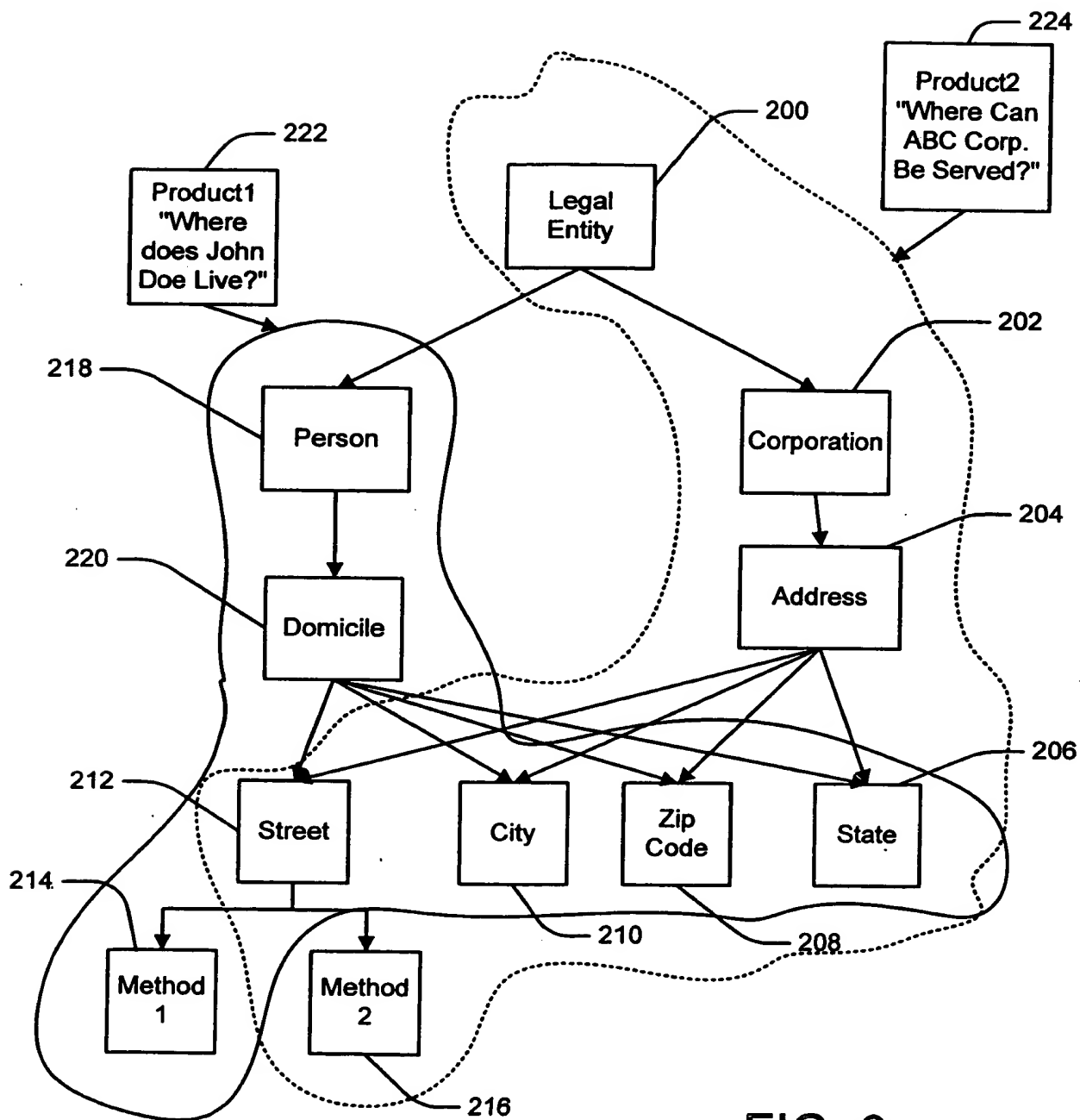


FIG. 6

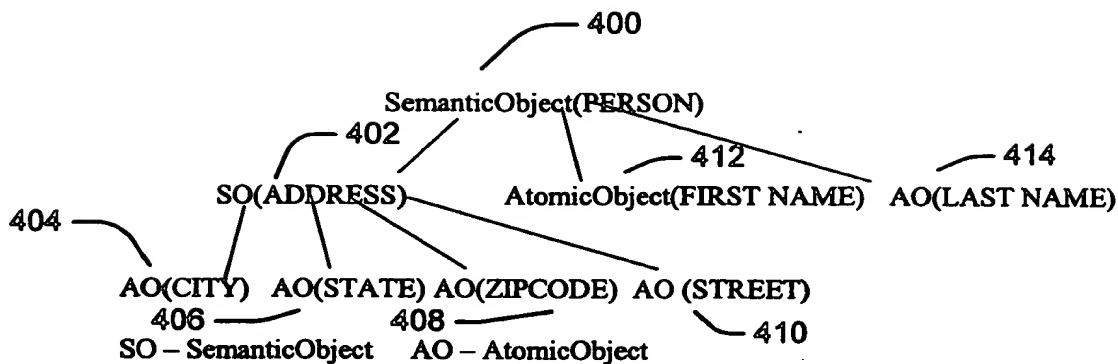


FIG. 7a

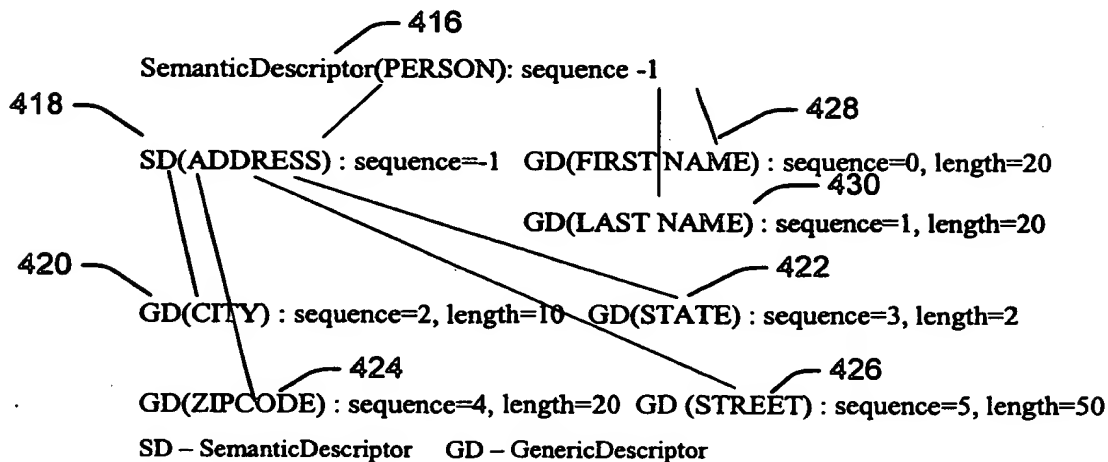
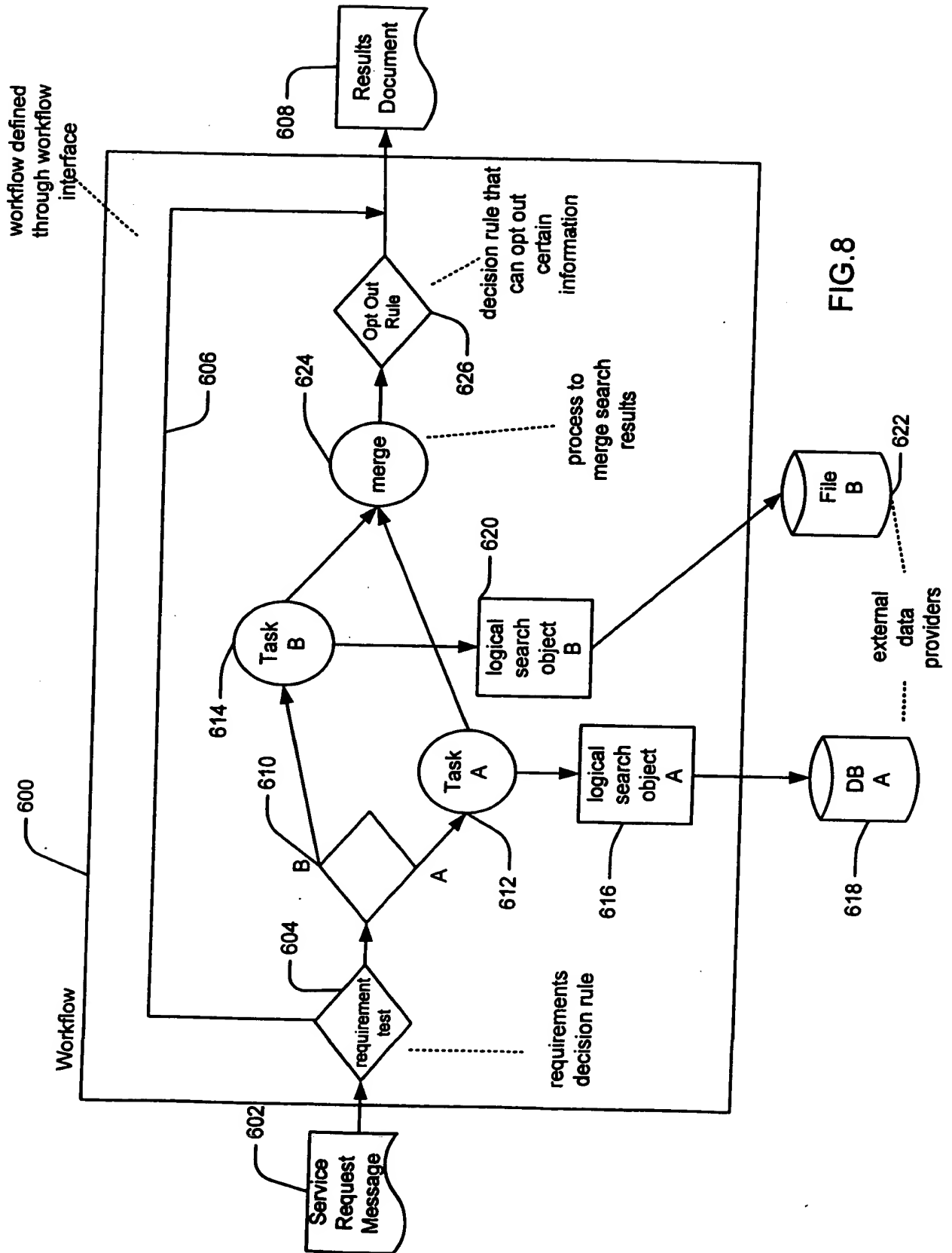
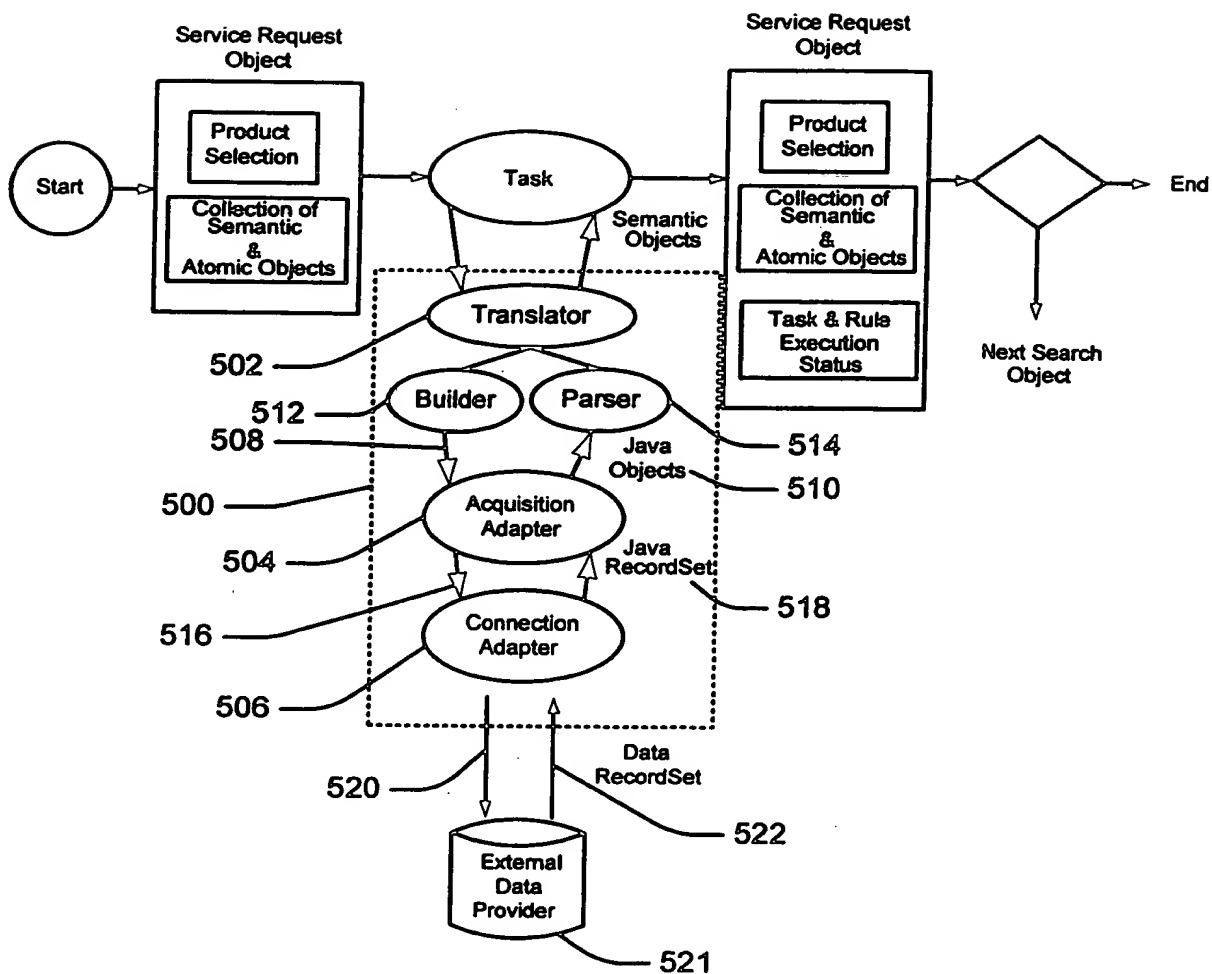
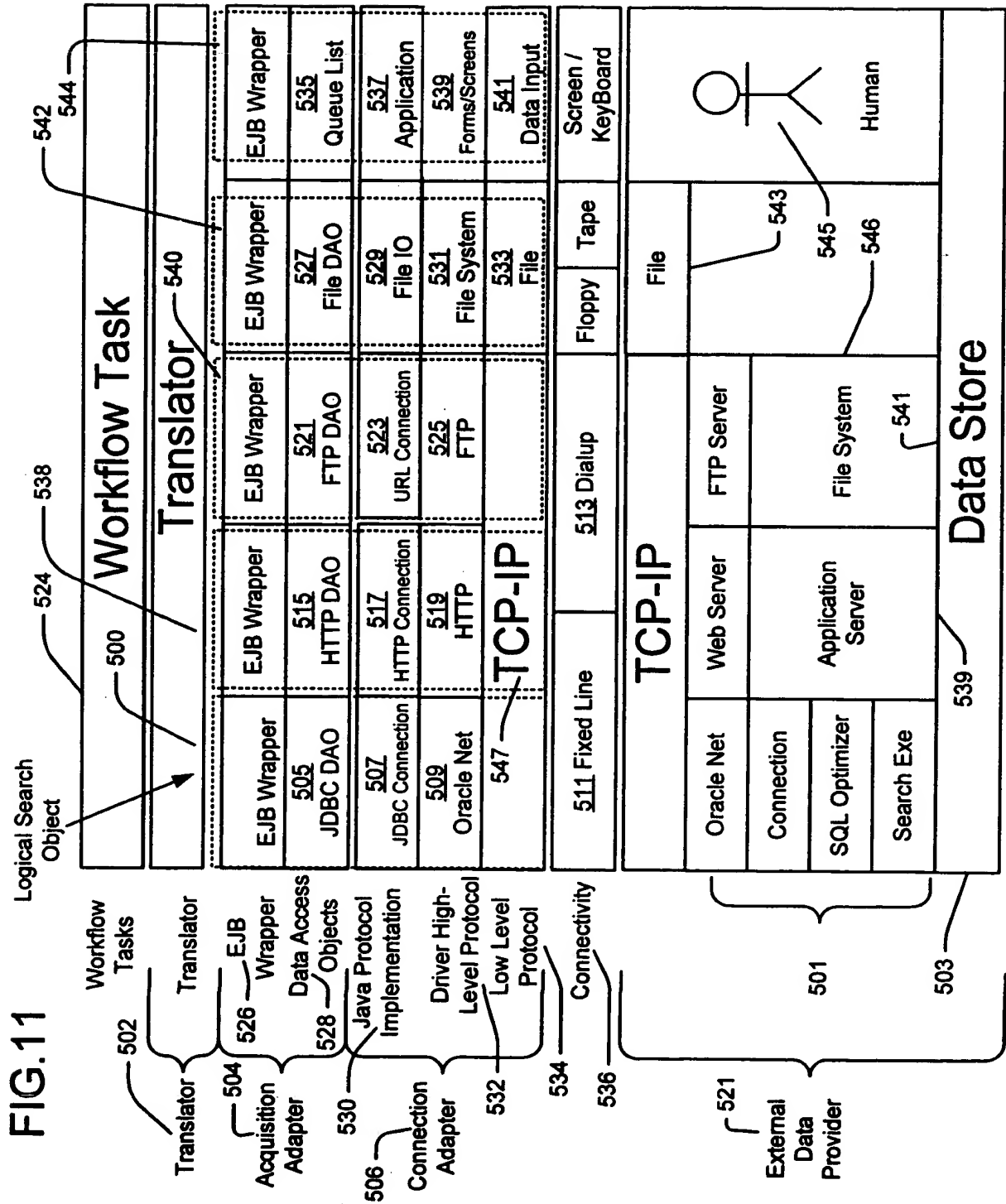


FIG. 7b









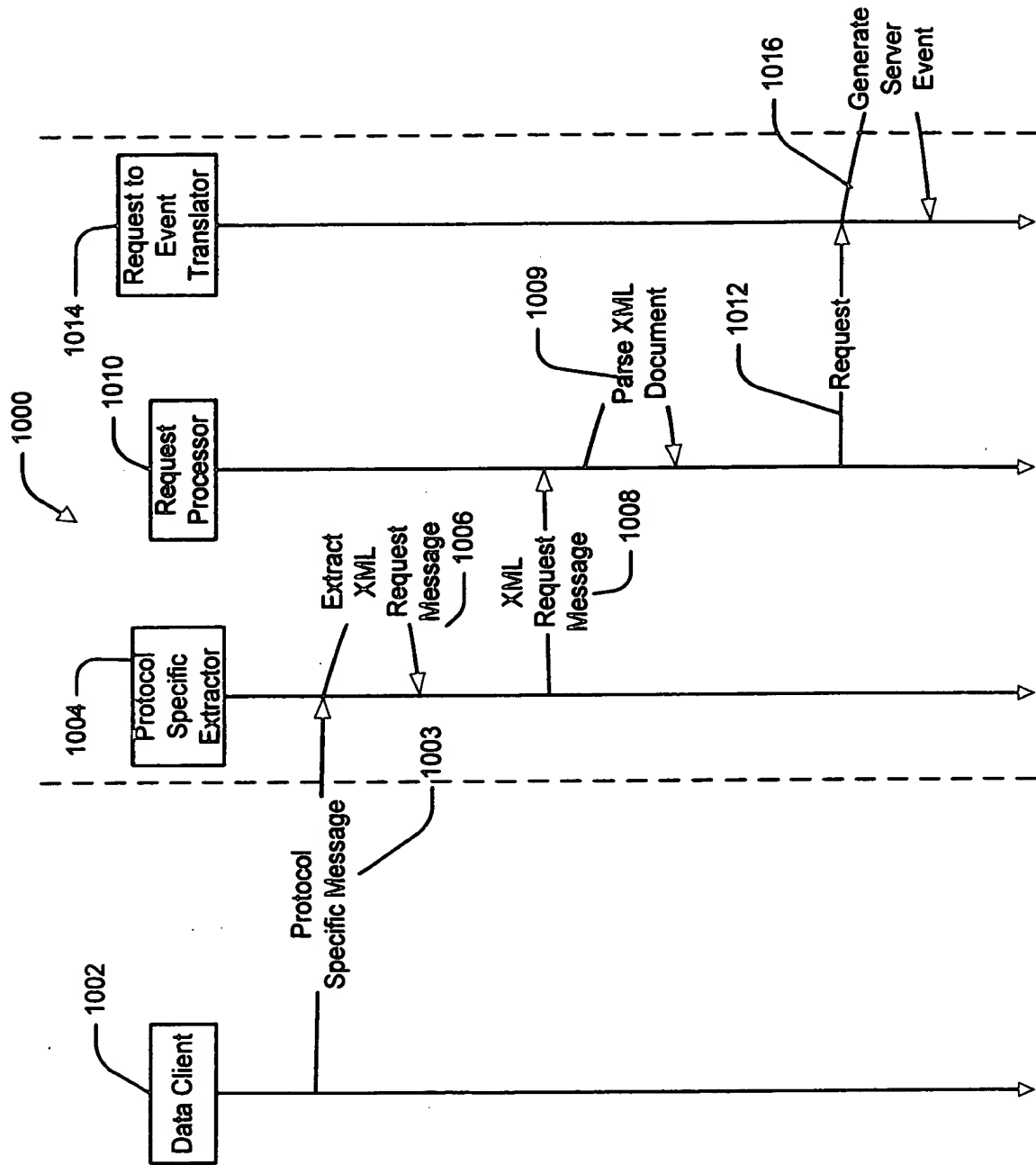


FIG. 12





Sample Service Request Message

```
<?xml version="1.0" encoding="UTF-8"?>
<message type="ServiceRequest" source-id="com.searchco">
  <data>
    <service-request message-id="11001100">
      <service-item sku="CSRA Search" item="1">
        <parameter name="1" first-name="John" />
        <parameter name="1" last-name="Smith" />
        <notification type="email">
          <parameter name="address"
            value="John.Smith@company.com" />
          <format style="email" />
        </notification>
        <result-format>
          <format style="csra-results" />
        </result-format>
        <results>
        </results>
      </service-item>
    </service-request>
  </data>
</message>
```

Diagram annotations (pointing to corresponding XML elements):

- 1100: points to the opening <data> tag.
- 1101: points to the opening <service-request> tag.
- 1104: points to the opening <service-item> tag.
- 1106: points to the opening <notification> tag.
- 1108: points to the opening <parameter> tag for first-name.
- 1110: points to the opening <parameter> tag for last-name.
- 1112: points to the opening <notification> tag.
- 1114: points to the opening <result-format> tag.
- 1116: points to the opening <results> tag.

FIG. 14



Sample Status Messages

```
<?xml version="1.0" encoding="UTF-8"?>
<message type="Status" source-id="com.searchco" >
  <data>
    <status message-id="1010010101">
      <status-request item "1" IDAS-id="394" />
      <status-request item "2" IDAS-id="488" />
      <status-request item "3" IDAS-id="506" />
      <status-request item "4" IDAS-id="13892192312" />
    </status>
  </data>
</message>
```

Diagrammatic annotations: A bracket labeled 1118 spans the opening tag of the message element. A bracket labeled 1100 spans the opening tag of the data element. A bracket labeled 1119 spans the opening tag of the status element. A bracket labeled 1122 spans the closing tag of the status element. A bracket labeled 1124 spans the four status-request elements.

FIG. 15



Sample Cancel Messages

```
<?xml version="1.0"?> 1127
<message type="Cancel" source-id="com.searchco"> 1126
  <data> 1128
    <cancel message-id="1234567890">
      <cancel-request item "1" IDAS-id="1234567890" />
      <cancel-request item "2" IDAS-id="2345678901" /> 1130
    </cancel>
  </data>
</message> 1132
```

FIG. 16



Sample Output Request Messages

```
<?xml version="1.0"?>
<message type="OutputRequest" source-id="com.searchco" >
  <data> 1136
    <output message-id="1234567890" > 1138 1140
      <output-request item= "1" IDAS-id="1234567890" />
        <format style="pdf " /> 1142 1141
      </ output-request> 1144
      <output-request item "2" IDAS-id=" 2345678901" />
        <format style=" html" />
      </ output-request>
    </output>
  </data>
</message>
```

FIG. 17



Sample Response Messages

Sample of a message return when a service request has been accepted.

```
<?xml version="1.0"?>
<message type="Response" source-id="IDAS">
  <data>
    <service-response message-id="1010010101">
      <response item="1" result="Success"
        request="Order" IDAS-id="345234234">
        <response-value>Workflow started at 01:23pm
          September 4th </response-value>
      </response>
      <response item="2" result="Success"
        request="Order" IDAS-id="345234234">
        September 4th, 2001 </response-value>
      </response>
    </service-response>
  </data>
</IDAS-message>
```

FIG. 18